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EXAMINER

VANOY, TIMOTHY C

PAPER NUMBER

P O Box 1450 Alexandria, Virgima 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

52835 7590 01/12/2009

HAMRE, SCHUMANN, MUELLER & LARSON, P.C.

MINNEAPOLIS, MN 55402-0902

P.O. BOX 2902

ARTHNIT 1703 DATE MAILED: 01/12/2009

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 9444 10/576.369 04/19/2006 Masaaki Okubo 10873.1885USWO TITLE OF INVENTION: METHOD AND APPARATUS FOR TREATING EXHAUST GAS

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 04/13/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

| appropriate. All further indicated unless corrects maintenance fee notifica | correspondence includir ed below or directed oth tions. | or transmitting ig the Patent, a nerwise in Bloo | dvance c | rders and notification a) specifying a new o | ofn | naintenance fees w pondence address; | and/or | mailed to the current (b) indicating a sepa | correspond rate "FEE | lence address as ADDRESS" for |
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| P.O. BOX 2902 | 7590 01/12 UMANN, MUEL 5, MN 55402-0902 | | RSON | , P.C. | | Cer | tificate | of Mailing or Trans) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the d | mission | |
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| APPLICATION NO. | APPLICATION NO. FILING DATE | | | FIRST NAMED INVENTO | | OR ATTORNEY DOCKET NO. | | CONFIR | MATION NO. | |
| 10/576,369 TITLE OF INVENTION | 04/19/2006 : METHOD AND APPA | RATUS FOR | TREATIN | Masaaki Okubo IG EXHAUST GAS | , | | 10 | 873.1885USWO | , | 9444 |
| APPLN, TYPE | SMALL ENTITY | ISSUE FEE | DUE | PUBLICATION FEE | DUE | PREV. PAID ISSUE | E FEE TOTAL FEE(S) DUE | | D | ATE DUE |
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| VANOY, T | МОТНҮ С | 1793 | | 423-210000 | | | | | | |
| "Fee Address" ind PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignee is ident h in 37 CFR 3.11. Comp | nge of Corresp Indication for ed. Use of a C | ondence m ustomer | (1) the names of or agents OR, alte (2) the name of a registered attorne 2 registered paten listed, no name wi | up to rnativ single y or a t attor ill be or typ the pa | e firm (having as a agent) and the name meys or agents. If a printed. se) atent. If an assigna assignment. | memb es of up no nam | er a 2 | | as been filed for |
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| - 11 | s SMALL ENTITY state | is. See 37 CFR | | | | | | TITY status. See 37 Cl | | |
| NOTE: The Issue Fee an interest as shown by the | d Publication Fee (it req records of the United Sta | tes Patent and | e accepte Frademari | d from anyone other t Office. | han ti | he applicant; a regi | stered a | ittorney or agent; or th | e assignee | or other party in |
| Authorized Signature | | | | | | Date | | | | |
| Typed or printed name | | | | | | Registration N | | | | |
| This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but firginia 22313-1450. DC 13-1450. | ER 1.311. The U.S.C. 122 an USPTO. Time rden, should be O NOT SEND I | informati d 37 CFR will vary sent to the EES OR | on is required to obtai 1.14. This collection depending upon the e Chief Information C COMPLETED FORM | n or r is est indiv Office AS TO | etain a benefit by the imated to take 12 r idual case. Any co r, U.S. Patent and D'THIS ADDRESS | ne publ ninutes mment Traden SENI | ic which is to file (and to complete, includin s on the amount of tir ark Office, U.S. Dep D TO: Commissioner | by the US g gathering ne you req artment of or Patents, | PTO to process) ;, preparing, and aire to complete Commerce, P.O. P.O. Box 1450, |

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| 10/576,369 | 04/19/2006 | Masaaki Okubo | 10873.1885USWO | 9444 | | |
| 52835 75 | 590 01/12/2009 | EXAMINER | | | | |
| HAMRE, SCHU | MANN, MUELLER | VANOY, TIMOTHY C | | | | |
| P.O. BOX 2902 | | ART UNIT | PAPER NUMBER | | | |
| MINNEAPOLIS, I | MN 55402-0902 | 1702 | | | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 420 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 420 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/576,369 OKUBO ET AL. Notice of Allowability Examiner Art Unit TIMOTHY C. VANOY 1793 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the Response and IDS filed on June 30, 2008. 2. The allowed claim(s) is/are 1 and 3-20. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) X All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. \(\overline{ International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 2. Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). 7. Examiner's Amendment/Comment Paper No./Mail Date 06-30-2008 8. T Examiner's Statement of Reasons for Allowance 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material Other . /Timothy C Vanoy/ Primary Examiner, Art Unit 1793